

03 - SUPPORTING DOCUMENTS

INDEX OF DRAWINGS



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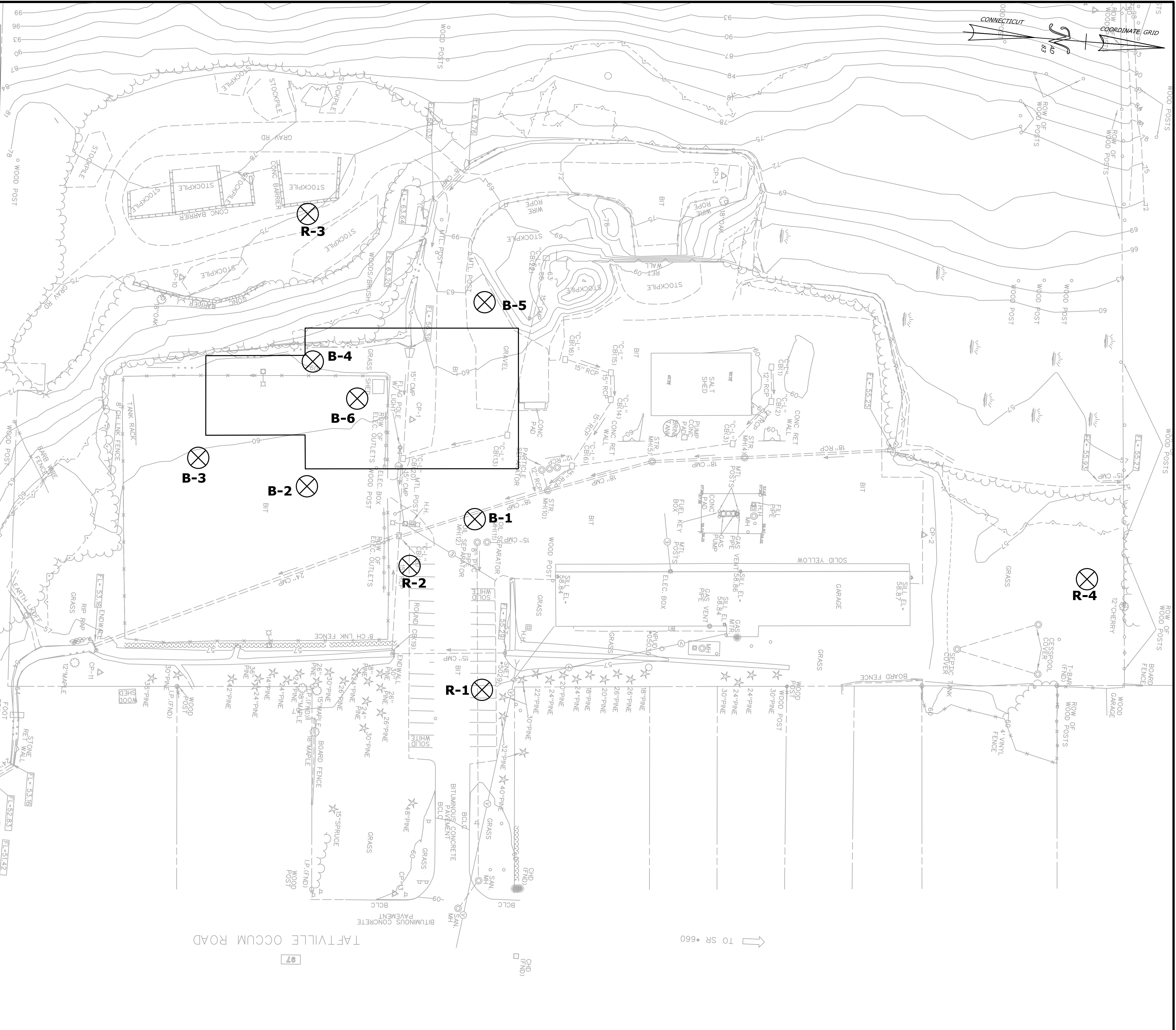
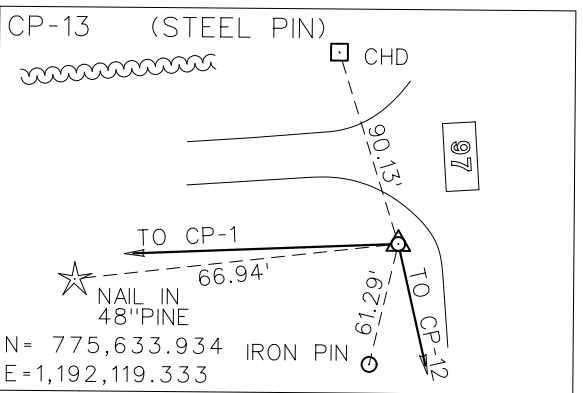
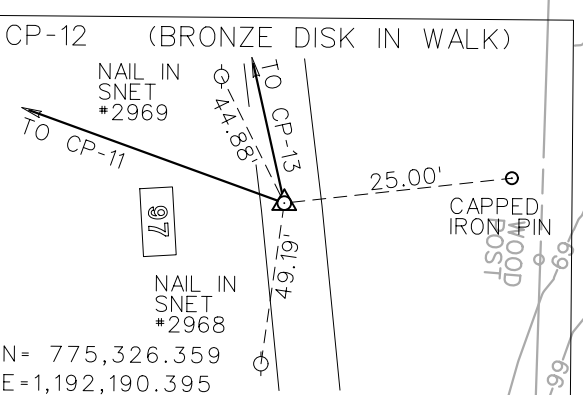
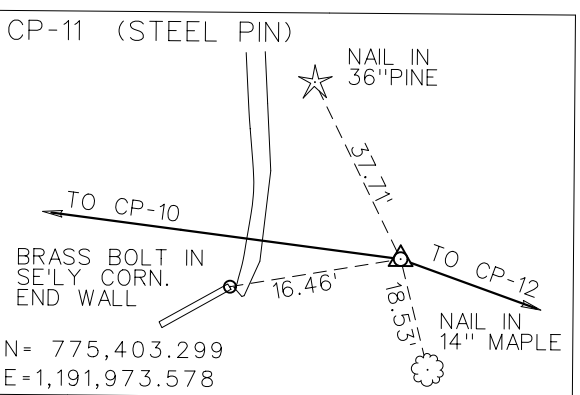
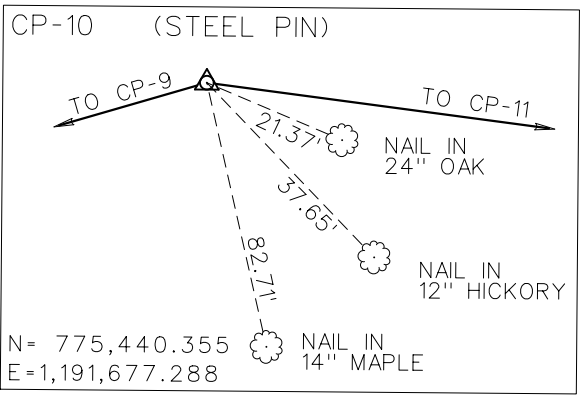
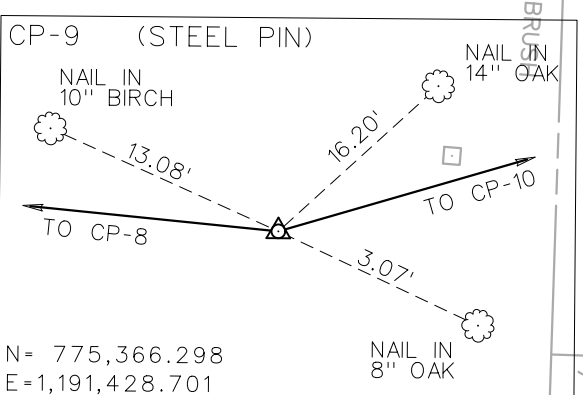
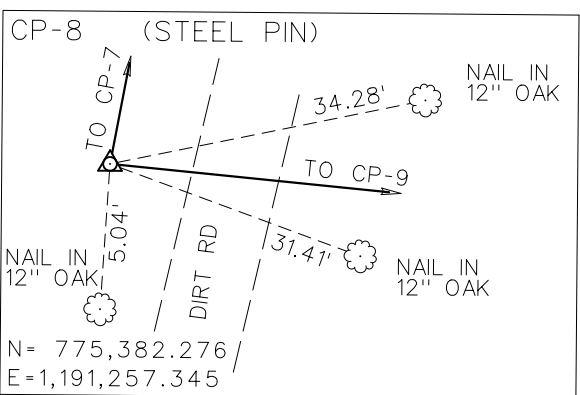
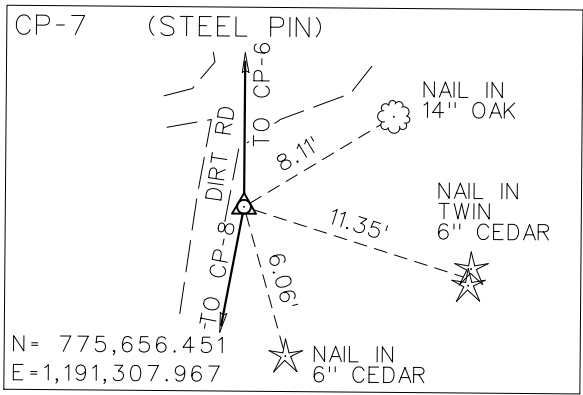
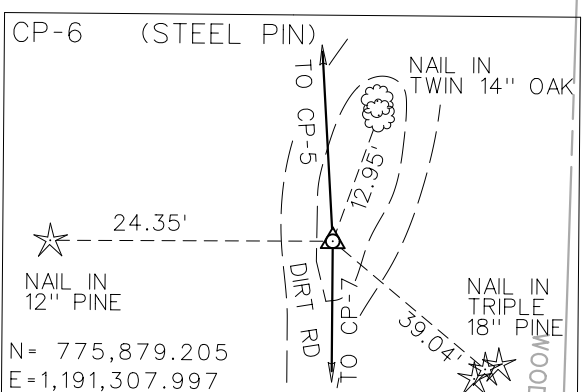
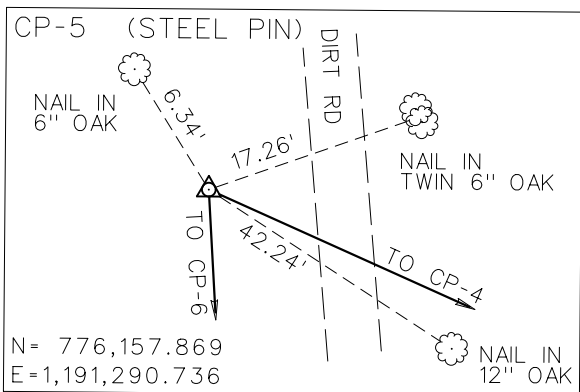
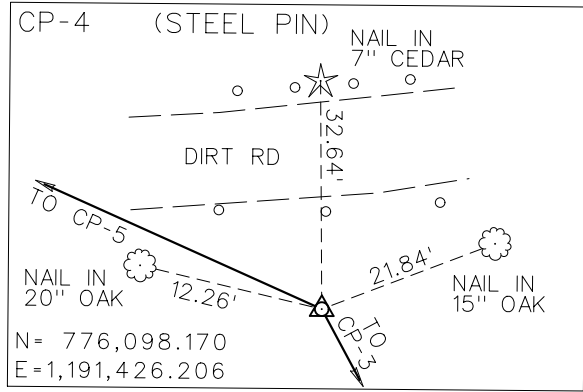
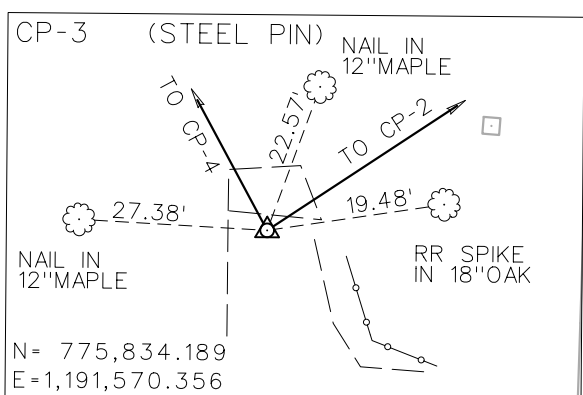
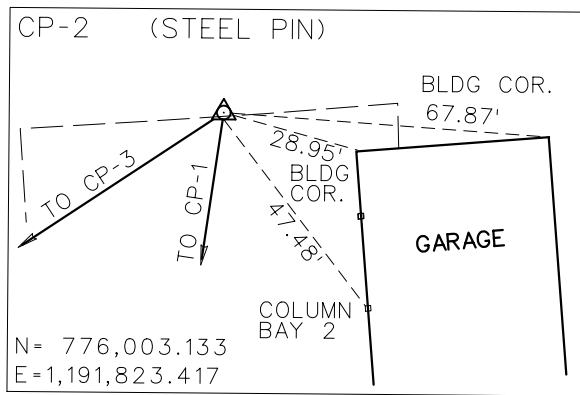
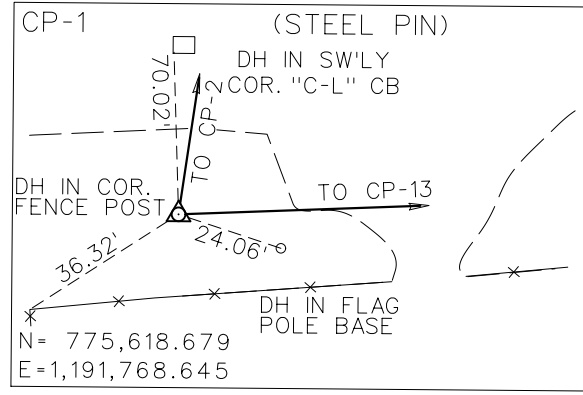
THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA. APPROVAL IS NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF THE DESIGN HAVE BEEN PERSONALLY CHECKED BY THE UNDERSIGNED.

TRANSPORTATION PRINCIPAL ENGINEER

THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA. APPROVAL IS NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF THE DESIGN HAVE BEEN PERSONALLY CHECKED BY THE UNDERSIGNED.


TRANSPORTATION PRINCIPAL ENGINEER

				THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: ME CHECKED BY: SK		 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION		SIGNATURE/ BLOCK: OFFICE OF ENGINEERING APPROVED BY: 		PROJECT TITLE: OCCUM MAINTENANCE FACILITY		TOWN: OCCUM		PROJECT NO. 103-247 DRAWING NO. SD-001 SHEET NO. 03.01	
REV. DATE REVISION DESCRIPTION SHEET NO.				Plotted Date: 8/12/2015				Filename: ... \FD_MSH_CIV_0103_0247_SD001.dgn									



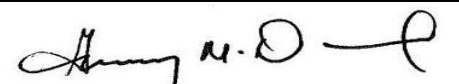
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 8/12/2015

DESIGNER/DRAFTER: ME
CHECKED BY: SK
SCALE IN FEET 0 40 80 SCALE 1"=40'

 **STATE OF CONNECTICUT**
DEPARTMENT OF TRANSPORTATION

Filename: ...\\FD_MSH_CIV_0103_0247_SD002.dgn

SIGNATURE/
BLOCK:
OFFICE OF ENGINEERING

APPROVED BY:


PROJECT TITLE:
**OCCUM
MAINTENANCE
FACILITY**

TOWN:
OCCUM

DRAWING TITLE:
**EXISTING CONDITIONS
& BORING LOCATIONS**

PROJECT NO.
103-247

DRAWING NO.
SD-002

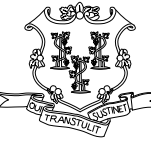
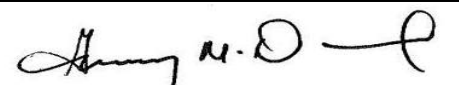
SHEET NO.
03.02

Driller: T. Roe		Connecticut DOT Boring Report				Hole No.: B-1							
Inspector: A. Hare		Town: Norwich		Stat./Offset:									
Engineer: A. Hare		Project No.: 0103-0247		Northing: 775671.627									
Start Date: 11-7-14		Route No.:		Easting: 1191827.719									
Finish Date: 11-7-14		Bridge No.:		Surface Elevation: 57.8									
Project Description: New Maintenance Facility													
Casing Size/Type: 4"		Sampler Type/Size: 2" SS		Core Barrel Type: NQ2									
Hammer Wt.: 300lb		Fall: 24in.		Hammer Wt.: 140lb		Fall: 30in.							
Groundwater Observations: @5 after 0 hours													
Depth (ft)	SAMPLES					Generalized Strata Description	Material Description and Notes	Elevation (ft)					
	Sample Type/No.	Blows on Sampler per 6 inches			Pen. (in.)				Rec. (in.)	ROD %			
	S-1	22	26	27	21				24	15.4	PAVEMENT STRUCTURE MISC. FILL	Brown f-c SAND, little f-c gravel, tr. silt Subbase gravel	
	S-2	13	17	8	5				24	14.2	SAND AND GRAVEL	Brown f-c SAND, tr. silt Dark brown f SAND, some silt	
	S-3	21	50/4"						10	2		Brown f-c SAND and f-c GRAVEL	
	S-4	34	11	20	21				24	8	GLACIAL TILL	Gray f SAND, little c gravel	
	C-1								60	62	92	BEDROCK	Gray GNEISS, medium grained, slightly weathered, slightly fractured, joints spaced 1 to 10 inches, hard. Core times: 5, 5, 5.5, 6, 7.5 min.
	C-2								60	57			Gray GNEISS, medium grained, slightly weathered, slightly fractured, joints spaced 0 to 9 inches, hard. Core times: 6, 5.5, 6.5, 6, 7 min.
		END OF BORING 29ft											
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%													
Total Penetration in Earth: 18.5ft Rock: 10.5ft		NOTES: Solid Stem Augers to 10 ft. 4" Casing to depth.					Sheet 1 of 1						
No. of Soil Samples: 4		No. of Core Runs: 2					SM-001-M REV. 1/02						

Driller: T. Roe		Connecticut DOT Boring Report				Hole No.: B-2							
Inspector: A. Hare		Town: Norwich		Stat./Offset:									
Engineer: A. Hare		Project No.: 0103-0247		Northing: 775531.379									
Start Date: 11-3-14		Route No.:		Easting: 1191819.896									
Finish Date: 11-3-14		Bridge No.:		Surface Elevation: 59.6									
Project Description: New Maintenance Facility													
Casing Size/Type: 4"		Sampler Type/Size: 2" SS		Core Barrel Type: NQ2									
Hammer Wt.: 300lb		Fall: 24in.		Hammer Wt.: 140lb		Fall: 30in.							
Groundwater Observations: @4.5 after 0 hours													
Depth (ft)	SAMPLES					Generalized Strata Description	Material Description and Notes	Elevation (ft)					
	Sample Type/No.	Blows on Sampler per 6 inches			Pen. (in.)				Rec. (in.)	ROD %			
	S-1	18	19	29	50				24	19	PAVEMENT STRUCTURE MISC FILL	Brown f-c SAND, some f-c gravel, tr. silt, cobbles present	
	S-2	3	5	6	9				24	12	SAND AND GRAVEL	Brown f-c SAND, tr. c gravel, tr. silt	
	S-3	21	26	44	50/5"				23	15		Brown f-c SAND, some c gravel, tr silt, with cobbles	
	S-4	11	11	11	11				24	15	GLACIAL TILL	Gray f SAND, little f gravel, tr. silt	
	S-5	50/1"							1	0		No Recovery.	
	C-1								60	58	93	BEDROCK	Gray GNEISS, medium grained, fresh, unweathered fractures, joints spaced 2 to 20 inches, hard. Core times: 4, 5, 4.5, 5, 4 min.
	C-2								60	57	69		Gray GNEISS, medium-grained, top 42 inches fresh unweathered joints spaced 12 to 23 inches, bottom 15 inches highly fractures moderately weathered, joints spaced 0 to 3 inches, medium hardness. Core times: 4.5, 4, 5, 3.5, 3.5 min.
END OF BORING 35ft													
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%													
Total Penetration in Earth: 23.75ft Rock: 11.25ft		NOTES: Solid Stem Augers to 10 ft. 4" Casing to depth.					Sheet 1 of 1						
No. of Soil Samples: 5		No. of Core Runs: 2					SM-001-M REV. 1/02						

Driller: T. Roe		Connecticut DOT Boring Report				Hole No.: B-3							
Inspector: A. Hare		Town: Norwich		Stat./Offset:									
Engineer: A. Hare		Project No.: 0103-0247		Northing: 775458.216									
Start Date: 11-3-14		Route No.:		Easting: 1191813.275									
Finish Date: 11-4-14		Bridge No.:		Surface Elevation: 59.8									
Project Description: New Maintenance Facility													
Casing Size/Type: 4"		Sampler Type/Size: 2" SS		Core Barrel Type: NQ2									
Hammer Wt.: 300lb		Fall: 24in.		Hammer Wt.: 140lb		Fall: 30in.							
Groundwater Observations: @4.5 after 0 hours													
Depth (ft)	SAMPLES					Generalized Strata Description	Material Description and Notes	Elevation (ft)					
	Sample Type/No.	Blows on Sampler per 6 inches			Pen. (in.)				Rec. (in.)	ROD %			
	S-1	20	50	18	16				24	12	PAVEMENT STRUCTURE MISC FILL	Brown f-c SAND, tr. c gravel	
	S-2	6	5	5	7				24	8	SAND AND GRAVEL	Brown f-c SAND, little c gravel	
	S-3	16	22	26	30				24	5		Orangeish brown f-c SAND and c GRAVEL, tr. silt	
	S-4	8	8	6	6				24	8		Brown f-m SAND, tr. silt	
	S-5	16	18	25	50				24	6	GLACIAL TILL	Brown f SAND, tr. silt Dark brown f-c SAND, some f-c gravel, tr. silt	
	C-1								60	58	46	WEATHERED BEDROCK	Gray GNEISS, medium grained, amythest inclusions interbedded with granite. Core times: 3, 3.5, 3.5, 4, 5.
	C-2								60	62	100		Gray GNEISS, medium grained, amythest inclusions interbedded with granite. Core times: 3.5, 3.5, 4, 4.5, 4.5 min.
END OF BORING 36ft													
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%													
Total Penetration in Earth: 24ft Rock: 12ft		NOTES: Solid Stem Augers to 10 ft. 4" Casing to depth.					Sheet 1 of 1						
No. of Soil Samples: 5		No. of Core Runs: 2					SM-001-M REV. 1/02						

Driller: T. Roe		Connecticut DOT Boring Report				Hole No.: B-4							
Inspector: A. Hare		Town: Norwich		Stat./Offset:									
Engineer: A. Hare		Project No.: 0103-0247		Northing: 775543.577									
Start Date: 11-5-14		Route No.:		Easting: 1191734.938									
Finish Date: 11-5-14		Bridge No.:		Surface Elevation: 59.9									
Project Description: New Maintenance Facility													
Casing Size/Type: 4"		Sampler Type/Size: 2" SS		Core Barrel Type: NQ2									
Hammer Wt.: 300lb		Fall: 24in.		Hammer Wt.: 140lb		Fall: 30in.							
Groundwater Observations: @2 after 0 hours													
Depth (ft)	SAMPLES					Generalized Strata Description	Material Description and Notes	Elevation (ft)					
	Sample Type/No.	Blows on Sampler per 6 inches			Pen. (in.)				Rec. (in.)	ROD %			
	S-1	2	5	5	10				24	12.8	TOPSOIL MISC FILL	TOPSOIL Brown f-c SAND, little f-c gravel, tr.silt	
	S-2	5	4	4	5				24	9	SAND AND GRAVEL	Brown f-c SAND, little f-c gravel, tr. silt, with cobbles	
	S-3	23	28	31					18			Brown f-c SAND, some f-c gravel, tr. silt, with cobbles	
	S-4	33	50/5"						11	10	BEDROCK	Brown f SAND, some c gravel, tr. silt, with cobbles	
	C-1								60	57	90		Gray GNEISS, medium grained, slightly fractured, slightly weathered, joints spaced 3 to 13.5 inches, hard. Core times: 4.5, 5, 5.5, 6, 6.5 min.
	C-2								60	54	54		Gray GNEISS, medium grained, slightly fractured, slightly weathered, joints spaced 0 to 14 inches, hard. Core times: 4.5, 3.5, 5.5, 5, 4.5 min.
	END OF BORING 26.5ft												
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%													
Total Penetration in Earth: 16.5ft Rock: 10ft		NOTES: Solid Stem Augers to 10 ft. 4" Casing to depth.					Sheet 1 of 1						
No. of Soil Samples: 4		No. of Core Runs: 2					SM-001-M REV. 1/02						

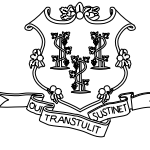
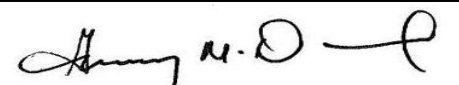
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				CHECKED BY: SK													
				SCALE AS NOTED													
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.																	
REV.	DATE	REVISION DESCRIPTION		SHEET NO.		Plotted Date: 8/12/2015		Filename: ...FD_MSH_CIV_0103_0247_SD003.dgn									

Driller: T. Roe		Connecticut DOT Boring Report				Hole No.: B-5				
Inspector: A. Hare		Town: Norwich		Stat./Offset:						
Engineer: A. Hare		Project No.: 0103-0247		Northing: 775659.781						
Start Date: 11-4-14		Route No.:		Easting: 1191681.925						
Finish Date: 11-5-14		Bridge No.:		Surface Elevation: 62.1						
Project Description: New Maintenance Facility										
Casing Size/Type: 4"		Sampler Type/Size: 2" SS		Core Barrel Type: NQ2						
Hammer Wt.: 300lb		Fall: 24in.		Hammer Wt.: 140lb		Fall: 30in.				
Groundwater Observations: @5.5 after 0 hours										
Depth (ft)	SAMPLES					Generalized Strata Description	Material Description and Notes	Elevation (ft)		
	Sample Type/No.	Blows on Sampler per 6 inches			Pen. (in.)				Rec. (in.)	RQD %
0	S-1	6	9	21	30	24	12	TOPSOIL MISC. FILL	TOPSOIL Brown f-c SAND, little f-c gravel, tr. silt	60
5	S-2	14	9	8	7	24	14			
10	S-3	31	21	21	25	24	8	SAND AND GRAVEL	Brown f-c SAND and f-c GRAVEL, tr. silt Orangesh brown f-c GRAVEL and f-c SAND, tr. silt	50
15	S-4	50/5"				5	0			
20	S-6	23	20	26	21	24	11	GLACIAL TILL	Gray f-c SAND, little f-c GRAVEL, tr. silt	40
25	C-1					60	63			
30	C-2					60	56	BEDROCK	Gray GNEISS, medium grained, slightly fractured, slightly weathered, joints spaced 0 to 24 inches, very hard. Core times: 8.5, 7, 8, 8.5, 9 min.	30
35										
40										20
45										
50										
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%										
Total Penetration in Earth: 23.75ft Rock: 10.25ft		NOTES: Solid Stem Augers to 10 ft, 4" Casing to depth.						Sheet 1 of 1		
No. of Soil Samples: 5		No. of Core Runs: 2		SM-001-M REV. 1/02						

Driller: T. Roe		Connecticut DOT Boring Report				Hole No.: B-6				
Inspector: A. Hare		Town: Norwich		Stat./Offset:						
Engineer: A. Hare		Project No.: 0103-0247		Northing: 775579.465						
Start Date: 11-4-14		Route No.:		Easting: 1191758.57						
Finish Date: 11-4-14		Bridge No.:		Surface Elevation: 59.8						
Project Description: New Maintenance Facility										
Casing Size/Type: 4"		Sampler Type/Size: 2" SS		Core Barrel Type: NQ2						
Hammer Wt.: 300lb		Fall: 24in.		Hammer Wt.: 140lb		Fall: 30in.				
Groundwater Observations: @4.5 after 0 hours										
Depth (ft)	SAMPLES					Generalized Strata Description	Material Description and Notes	Elevation (ft)		
	Sample Type/No.	Blows on Sampler per 6 inches			Pen. (in.)				Rec. (in.)	RQD %
0	S-1	14	14	19	47	24	15	PAVEMENT (STRUCTURE) MISC FILL	Brown f-c SAND, some f-c gravel, tr. silt, with cobbles	55
5	S-2	15	50/5"			11	10			
10	S-3	31	40	31	28	24	8	SAND AND GRAVEL	Brown f-c SAND, some f-c gravel, tr. silt with cobbles	45
15	S-4	50/3"				3	0			
20	C-1					60	56	WEATHERED BEDROCK	Gray GNEISS, medium grained, slightly fractured, slightly weathered, joints spaced 0 to 14 inches, hard, Core times: 3.5, 4, 5, 4, 5 min.	35
25	C-2					60				
30									END OF BORING 28.5ft	25
35										
40										15
45										
50										
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%										
Total Penetration in Earth: 16.75ft Rock: 12.5ft		NOTES: Solid Stem Augers to 10 ft, 4" Casing to depth.						Sheet 1 of 1		
No. of Soil Samples: 4		No. of Core Runs: 2		SM-001-M REV. 1/02						


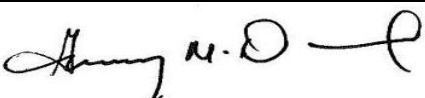
Driller: T. Roe		Connecticut DOT Boring Report				Hole No.: R-1				
Inspector: A. Hare		Town: Norwich		Stat./Offset:						
Engineer: A. Hare		Project No.: 0103-0247		Northing: 775682.107						
Start Date: 11-6-14		Route No.:		Easting: 1191965.724						
Finish Date: 11-6-14		Bridge No.:		Surface Elevation: 58.5						
Project Description: New Maintenance Facility										
Casing Size/Type:		Sampler Type/Size: 2" SS		Core Barrel Type:						
Hammer Wt.:		Fall: in.		Hammer Wt.: 140		Fall: 30in.				
Groundwater Observations: @7.5 after 0 hours										
Depth (ft)	SAMPLES					Generalized Strata Description	Material Description and Notes	Elevation (ft)		
	Sample Type/No.	Blows on Sampler per 6 inches			Pen. (in.)				Rec. (in.)	RQD %
0	S-1	9	10	11	9	24	10	PAVEMENT (STRUCTURE) MISC. FILL	Brown f-c SAND, little f-c gravel, tr. silt	55
5	S-2	4	11	25	38	24	16			
10	S-3	37	35	45	32	24	21	SAND AND GRAVEL	Brown f-c SAND and f-c GRAVEL, tr. silt, with cobbles	45
15	S-4	10	11	13	12	24	0			
20									END OF BORING 17ft	35
25										
30										25
35										
40										15
45										
50										
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%										
Total Penetration in Earth: 17ft Rock: ft		NOTES: Solid Stem Augers to 10 ft, 4" HSA to depth.						Sheet 1 of 1		
No. of Soil Samples: 4		No. of Core Runs: ---		SM-001-M REV. 1/02						

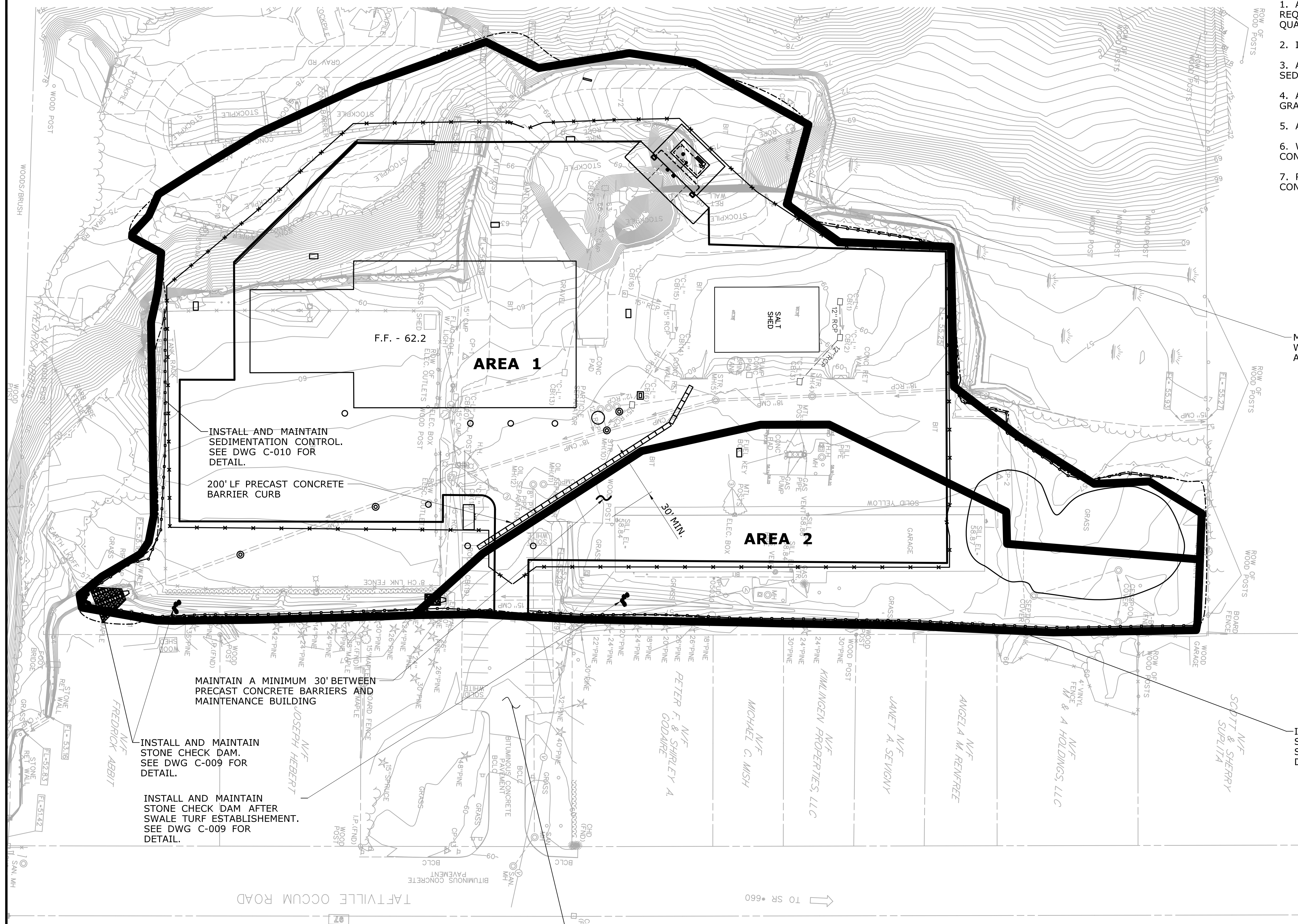
Driller: T. Roe		Connecticut DOT Boring Report				Hole No.: R-2				
Inspector: A. Hare		Town: Norwich		Stat./Offset:						
Engineer: A. Hare		Project No.: 0103-0247		Northing: 775647.21						
Start Date: 11-6-14		Route No.:		Easting: 1191879.268						
Finish Date: 11-6-14		Bridge No.:		Surface Elevation: 57.4						
Project Description: New Maintenance Facility										
Casing Size/Type:		Sampler Type/Size: 2" SS		Core Barrel Type:						
Hammer Wt.:		Fall: in.		Hammer Wt.: 140		Fall: 30in.				
Groundwater Observations: @5.5 after 0 hours										
Depth (ft)	SAMPLES					Generalized Strata Description	Material Description and Notes	Elevation (ft)		
	Sample Type/No.	Blows on Sampler per 6 inches			Pen. (in.)				Rec. (in.)	RQD %
0	S-1	11	12	27	48	24	16	PAVEMENT (STRUCTURE) MISC. FILL	Brown f-c SAND, some f-c gravel, tr. silt	55
5	S-2	14	7	9	18	24	10			
10	S-3	10	11	14	16	24	20	GLACIAL TILL	Gray f SAND, tr. gravel	45
15	S-4	7	21	31	28	24	10			
20									END OF BORING 17ft	35
25										
30										25
35										
40										15
45										
50										
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%										
Total Penetration in Earth: 17ft Rock: ft		NOTES: Solid Stem Augers to 10 ft, 4" HSA to depth.						Sheet 1 of 1		
No. of Soil Samples: 4		No. of Core Runs: ---		SM-001-M REV. 1/02						

						THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: ME CHECKED BY: SK SCALE AS NOTED		 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: ...\\FD_MSH_CIV_0103_0247_SD004.dgn		SIGNATURE/ BLOCK: OFFICE OF ENGINEERING APPROVED BY: 		PROJECT TITLE: OCCUM MAINTENANCE FACILITY		TOWN: OCCUM DRAWING TITLE: BORING LOGS- 2		PROJECT NO. 103-247 DRAWING NO. SD-004 SHEET NO. 03.04	
REV.	DATE	REVISION DESCRIPTION						SHEET NO.	Plotted Date: 8/12/2015										

Driller: T. Roe		Connecticut DOT Boring Report				Hole No.: R-3						
Inspector: A. Hare		Town: Norwich		Stat./Offset:								
Engineer: A. Hare		Project No.: 0103-0247		Northing: 775532.53								
Start Date: 11-6-14		Route No.:		Easting: 1191629.957								
Finish Date: 11-6-14		Bridge No.:		Surface Elevation: 74.1								
Project Description: New Maintenance Facility												
Casing Size/Type:		Sampler Type/Size: 2" SS			Core Barrel Type:							
Hammer Wt.: Fall: in.		Hammer Wt.: 140		Fall: 30in.								
Groundwater Observations: @8.5 after 0 hours												
Depth (ft)	SAMPLES					Generalized Strata Description	Material Description and Notes	Elevation (ft)				
	Sample Type/No.	Blows on Sampler per 6 inches			Pen. (in.)				Rec. (in.)	RCD %		
	S-1	11	11	4	8				24	16	MISC. FILL	Dark brown f SAND, some silt
	S-2	3	2	2	2				24	11	GLACIAL TILL	Dark brown f SAND, some silt Gray f. SAND
	S-3	30	26	50/4"					16	15		Brown f-c GRAVEL and f-c SAND
S-4	8	9	9	9	24	17		Gray f SAND				
END OF BORING 17ft												
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%												
Total Penetration in Earth: 17ft Rock: ft		NOTES: Solid Stem Augers to 10 ft. 4" HSA to depth.					Sheet 1 of 1					
No. of Soil Samples: 4		No. of Core Runs: ---					SM-001-M REV. 1/02					

Driller: T. Roe		Connecticut DOT Boring Report				Hole No.: R-4						
Inspector: A. Hare		Town: Norwich		Stat./Offset:								
Engineer: A. Hare		Project No.: 0103-0247		Northing: 776130.55								
Start Date: 11-5-14		Route No.:		Easting: 1191837.402								
Finish Date: 11-5-14		Bridge No.:		Surface Elevation: 58.2								
Project Description: New Maintenance Facility												
Casing Size/Type:		Sampler Type/Size: 2" SS			Core Barrel Type:							
Hammer Wt.: Fall: in.		Hammer Wt.: 140		Fall: 30in.								
Groundwater Observations: @5.5 after 0 hours												
Depth (ft)	SAMPLES					Generalized Strata Description	Material Description and Notes	Elevation (ft)				
	Sample Type/No.	Blows on Sampler per 6 inches			Pen. (in.)				Rec. (in.)	RCD %		
	S-1	2	3	4	5				24	12	TOPSOIL GLACIAL TILL	TOPSOIL Brown f SAND, tr. silt
	S-2	13	26	25	30				24	12		Brown f-c SAND and f-c GRAVEL, tr. silt Brown f SAND, tr. silt
	S-3	50/6"			6				3		Brownish Gray f-c SAND and f-c GRAVEL, with cobbles	
END OF BORING 10.5ft												
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%												
Total Penetration in Earth: 17ft Rock: ft		NOTES: Solid Stem Augers to 5 ft. 4" HSA to depth.					Sheet 1 of 1					
No. of Soil Samples: 4		No. of Core Runs: ---					SM-001-M REV. 1/02					

				DESIGNER/DRAFTER: ME			STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	Signature/Block: OFFICE OF ENGINEERING APPROVED BY: 	PROJECT TITLE: OCCUM MAINTENANCE FACILITY	TOWN: OCCUM		PROJECT NO. 103-247
				CHECKED BY: SK						DRAWING NO. SD-005		
				SCALE AS NOTED						SHEET NO. 03.05		
REV.	DATE	REVISION DESCRIPTION		SHEET NO.	Plotted Date: 8/12/2015		Filename: ...\\FD_MSH_CIV_0103_0247_SD005.dgn					



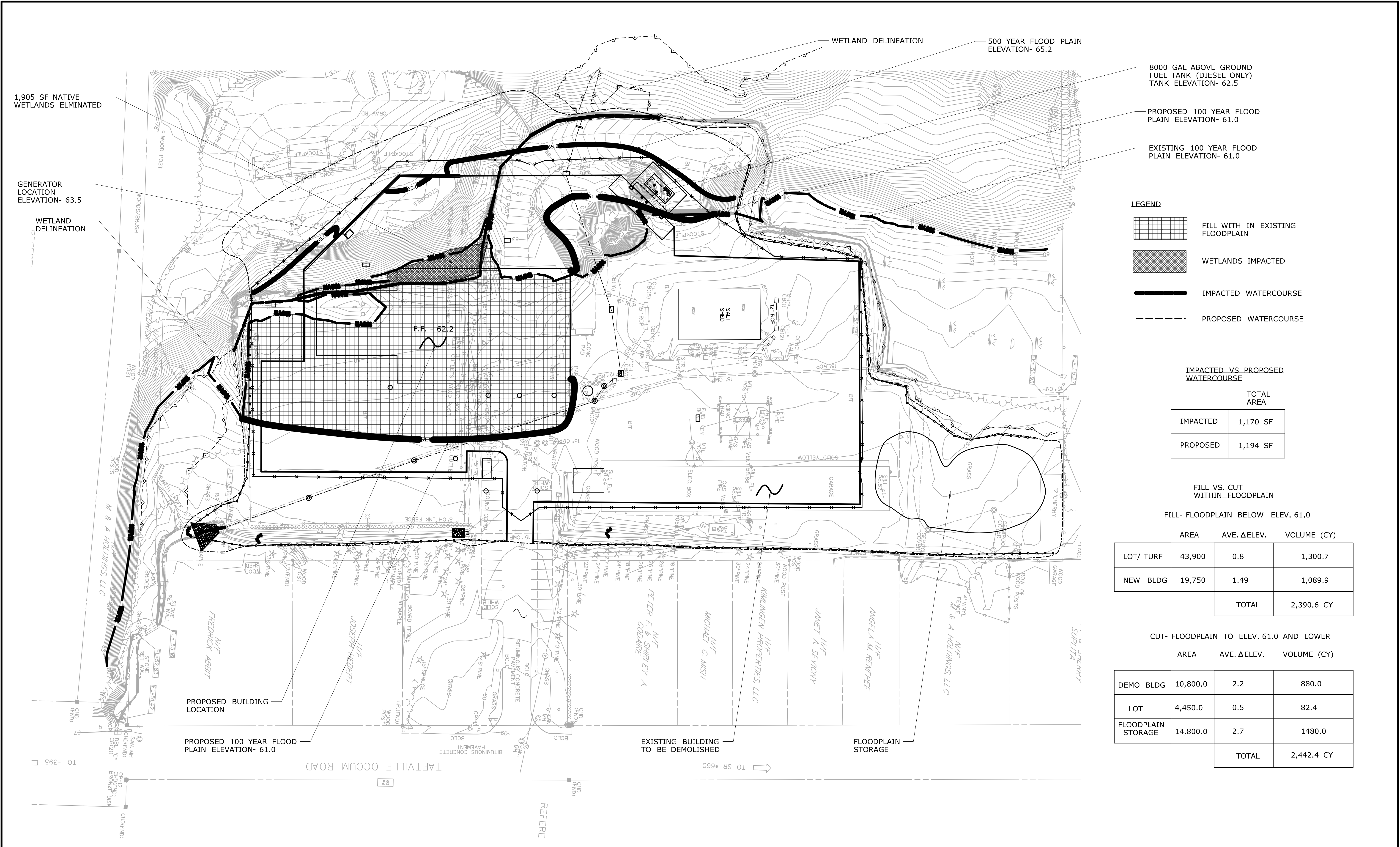
NOTES:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL MEET OR EXCEED THE REQUIREMENTS OF THE D.E.P. 2002 E&S GUIDELINES AND THE 2004 STORMWATER QUALITY MANUAL.
2. INSTALL ANTI-TRACKING PAD. SEE SHEET C-009 FOR DETAIL.
3. AT THE COMPLETION OF THE PROJECT AND AS NEEDED, REMOVE ALL ACCUMULATED SEDIMENT FROM DRAINAGE STRUCTURE SUMPS, STONE CHECK DAMS AND FLOOD PLAIN STORAGE.
4. ALL UNPAVED DISTURBED AREAS TO BE SEEDDED WITHIN 7 DAYS OF FINAL GRADING AS DIRECTED BY SPECIAL PROVISION OR AS DIRECTED BY THE ENGINEER.
5. ALL NEW DRAINAGE STRUCTURES TO BE PROTECTED FROM SEDIMENT AT ALL TIMES.
6. WSA LOCATION IS APPROXIMATE AND MAY BE MODIFIED BY THE ENGINEER PRIOR TO CONSTRUCTION. WSA MUST BE LOCATED ABOVE THE 500/ 100 YEAR FLOOD PLAIN ELEVATION.
7. REFER TO THE ENVIRONMENTAL SUBSET FOR LIMITS AND CARE OF CONTAMINATED SOIL.

MAINTAIN MIN. 5' SEPARATION BETWEEN WETLANDS AND ALL CONSTRUCTION ACTIVITIES.

INSTALL AND MAINTAIN
SEDIMENTATION CONTROL.
SEE DWG C-010 FOR
DETAIL.

[illegible]



- LEGEND
- FILL WITH IN EXISTING FLOODPLAIN
 - WETLANDS IMPACTED
 - IMPACTED WATERCOURSE
 - PROPOSED WATERCOURSE

IMPACTED VS. PROPOSED WATERCOURSE

TOTAL AREA	
IMPACTED	1,170 SF
PROPOSED	1,194 SF

FILL VS. CUT WITHIN FLOODPLAIN

FILL- FLOODPLAIN BELOW ELEV. 61.0

	AREA	AVE. ΔELEV.	VOLUME (CY)
LOT/ TURF	43,900	0.8	1,300.7
NEW BLDG	19,750	1.49	1,089.9
	TOTAL		2,390.6 CY

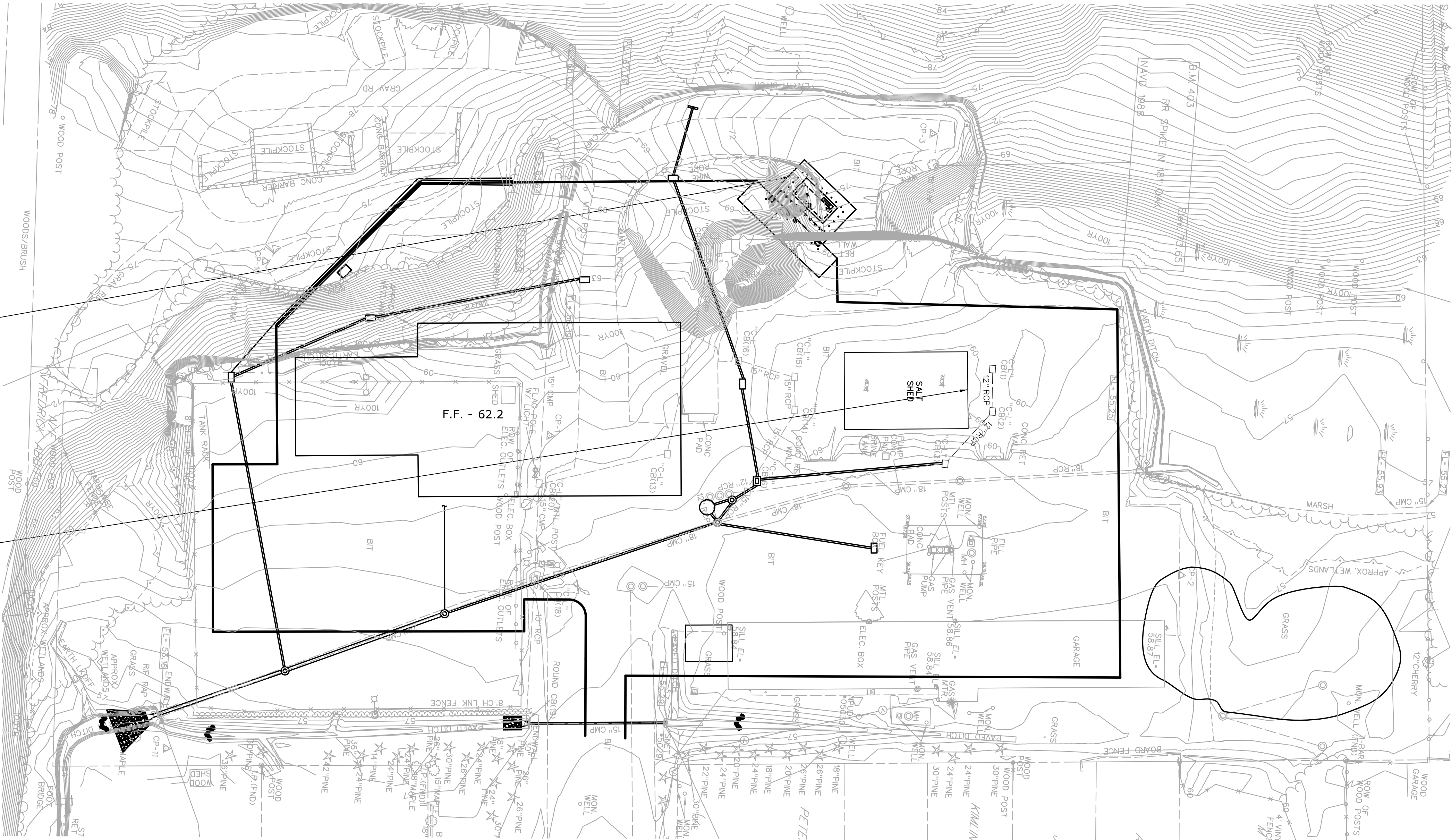
CUT- FLOODPLAIN TO ELEV. 61.0 AND LOWER

	AREA	AVE. ΔELEV.	VOLUME (CY)
DEMO BLDG	10,800.0	2.2	880.0
LOT	4,450.0	0.5	82.4
FLOODPLAIN STORAGE	14,800.0	2.7	1480.0
	TOTAL		2,442.4 CY


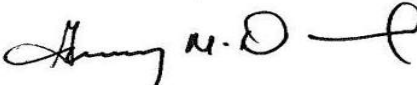
REV.		DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 8/12/2015	DESIGNER/DRAFTER: ME CHECKED BY: SK SCALE IN FEET 0 40 80 SCALE 1"=40'	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: ...\\FD_MSH_CIV_0103_0247_SD007.dgn	SIGNATURE/ BLOCK: OFFICE OF ENGINEERING APPROVED BY: 	PROJECT TITLE: OCCUM MAINTENANCE FACILITY	TOWN: OCCUM DRAWING TITLE: ENVIRONMENTAL IMPACT AREAS	PROJECT NO. 103-247 DRAWING NO. SD-007 SHEET NO. 03.07
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FUEL ISLAND, TANKS, CONCRETE PAD, AND PIPING
(INCLUDING TRENCHING AND BEDDING)
IS INCLUDED IN THE MLSI

EXISTING SALT SHED. SEE NOTE #3



- NOTES:
- THE FOLLOWING LIST OF ITEMS ARE NOT INCLUDED UNDER THE MAJOR LUMP SUM ITEM AND SHALL BE PAID FOR ON A UNIT COST BASIS, AS SPECIFIED UNDER FORM 816 SPECIFICATIONS OR SPECIAL PROVISIONS:
 - WATER LINES (2" COPPER PIPE, 8" DUCTILE IRON PIPE)
 - FULL DEPTH BITUMINOUS PAVEMENT
 - ASPHALT ADJUSTMENT COST
 - HMA S0.375
 - HMA S0.5
 - MATERIAL FOR TACK COAT
 - PAVING FABRIC
 - PROCESSED AGGREGATE BASE
 - HYDRODYNAMIC SEPARATOR (INCLUDING ALL ASSOCIATED PIPING, TRENCHING, GRANULAR FILL, BEDDING, MANHOLES)
 - SALT SHED FOUNDATION WALL REPAIR (CLASS 'S' CONCRETE, VARIABLE DEPTH PATCH)
 - BORROW
 - RETAINING WALL WILL BE PAID FOR UNDER THE MAJOR LUMP SUM.
 - SALT SHED WORK IS INCLUDED IN THE MLSI. SALT SHED FOUNDATION REPAIR WORK (CLASS 'S' CONCRETE, VARIABLE DEPTH PATCH) WILL NOT BE INCLUDED IN THE MLSI

				THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: MVC CHECKED BY: ME <div>SCALE IN FEET 0 40 80 SCALE 1"=40'</div>	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: ...\\FD_MSH_CIV_0103_0247_SD008.dgn	SIGNATURE/ BLOCK: OFFICE OF ENGINEERING APPROVED BY: 	PROJECT TITLE: OCCUM MAINTENANCE FACILITY	TOWN: OCCUM	PROJECT NO. 103-247 DRAWING NO. SD-008 SHEET NO. 03.08
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 8/12/2015	DRAWING TITLE: PAY LIMITS FOR MAJOR LUMP SUM ITEM						